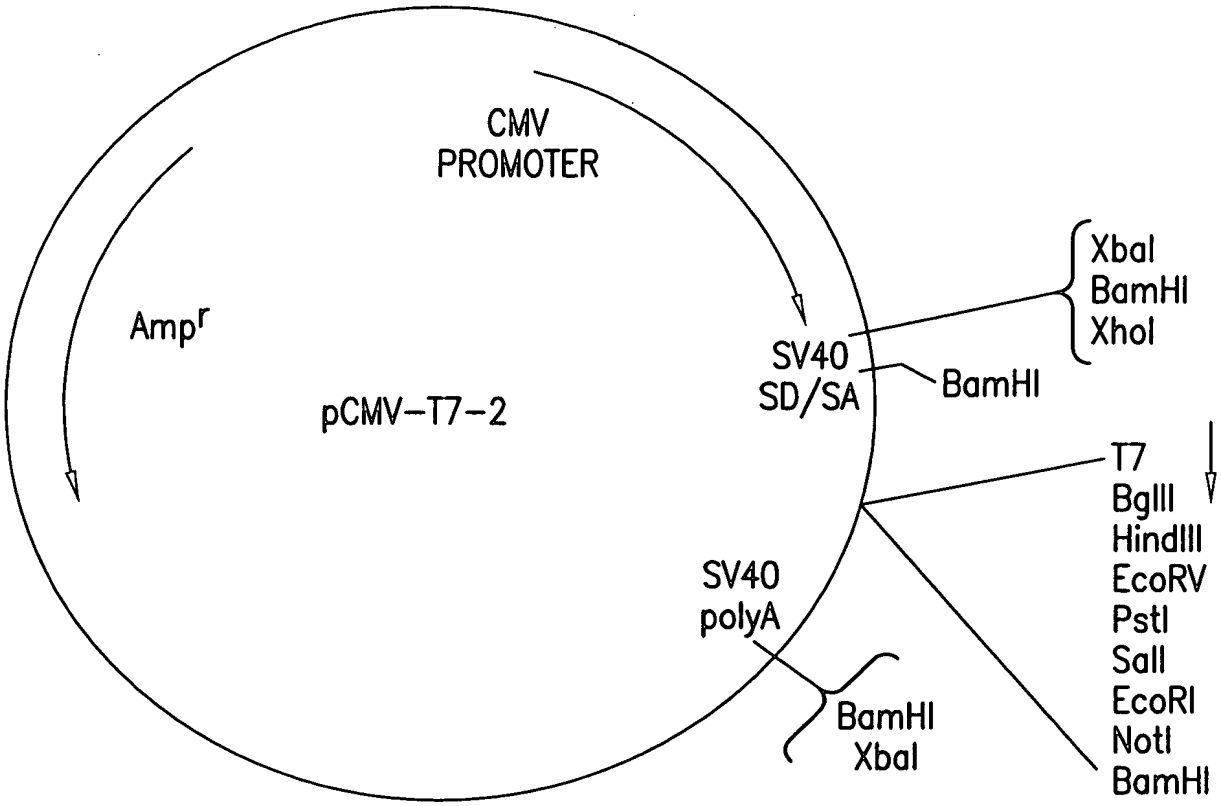


FIG. 1A

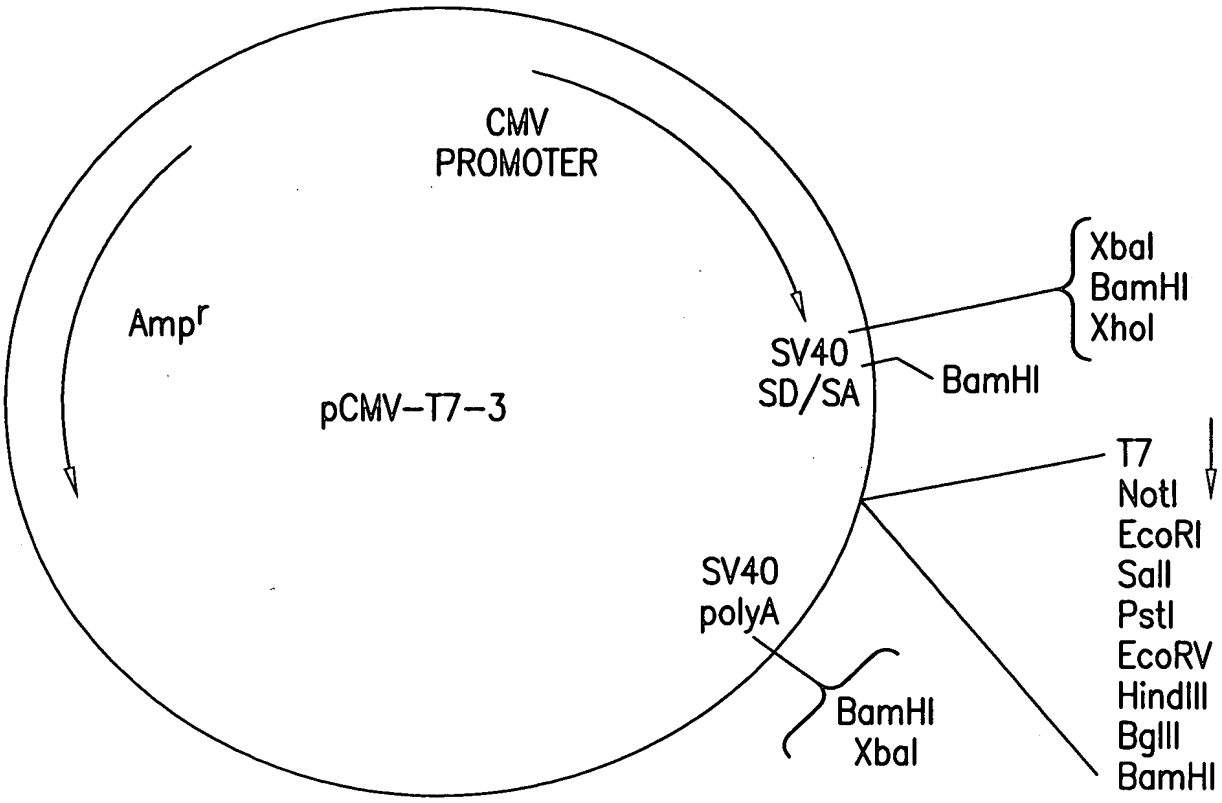


FIG. 1B

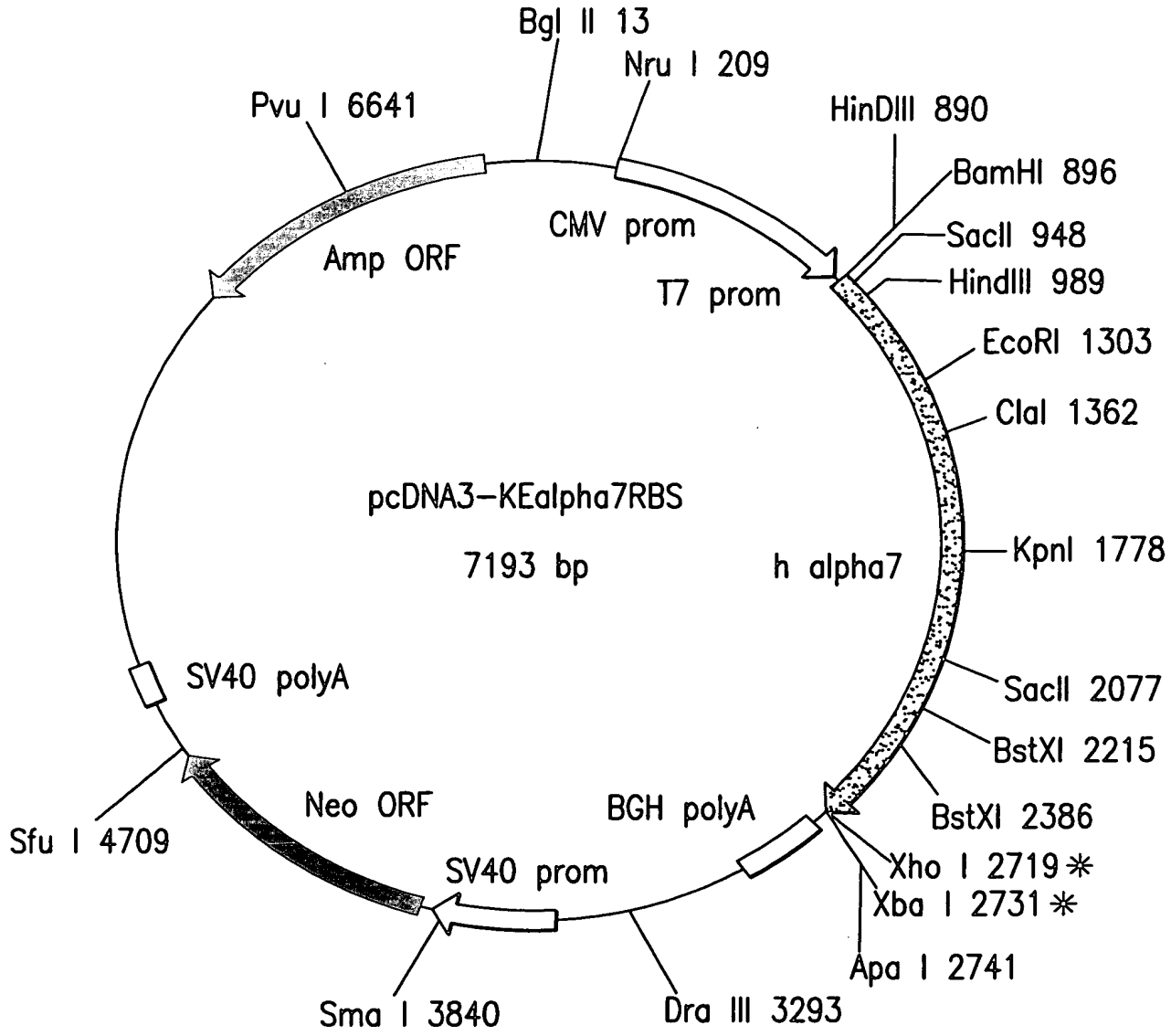


FIG.2

AGONIST-INDUCE INCREASES IN $[Ca^{2+}]_i$ FOR A7 STABLE CELL LINE
(EXPRESSING THE NICOTINIC ALPHA 7 RECEPTOR IN GH_4C_1 CELLS)

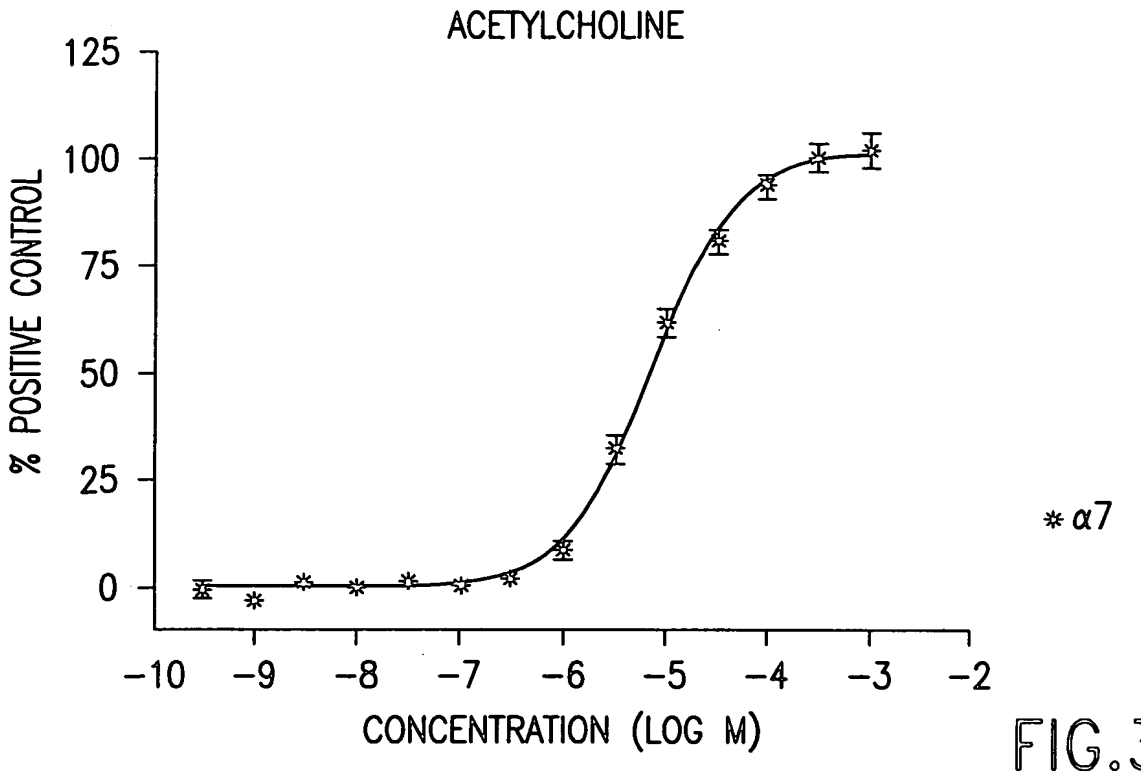


FIG.3A

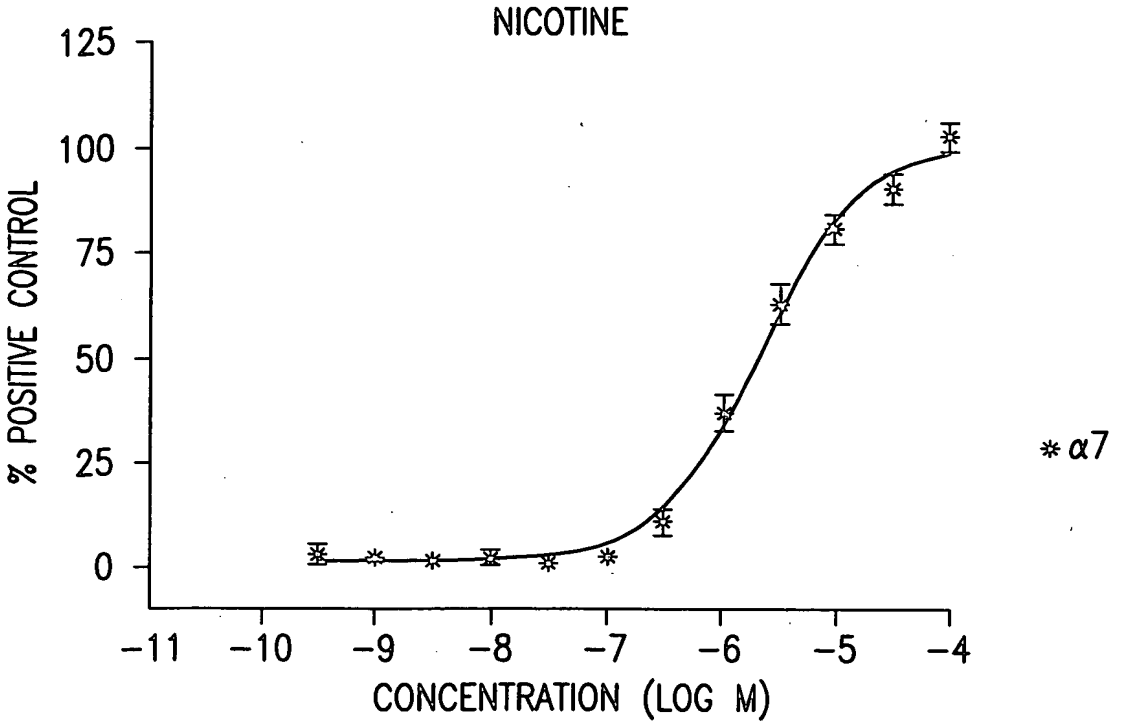


FIG.3B

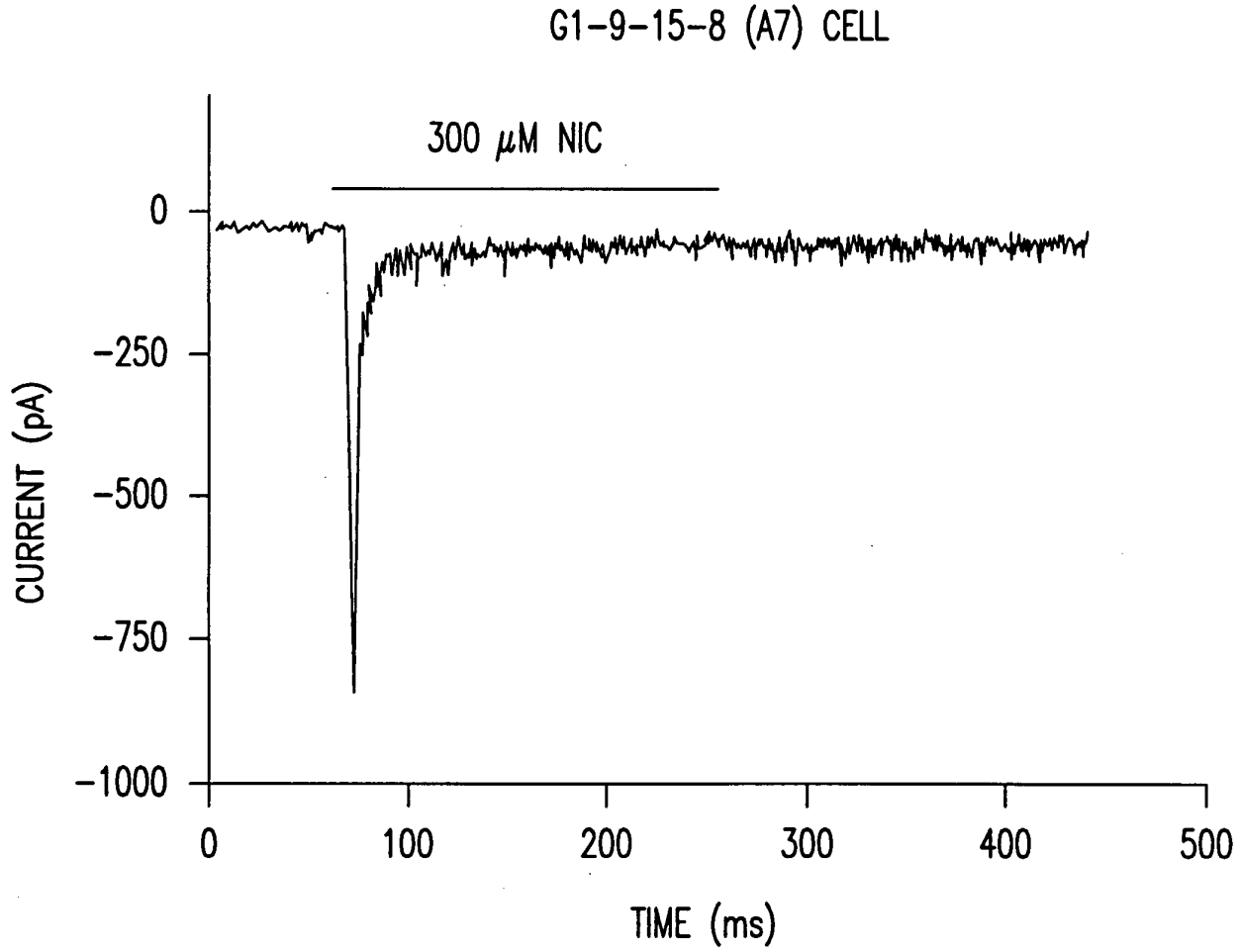
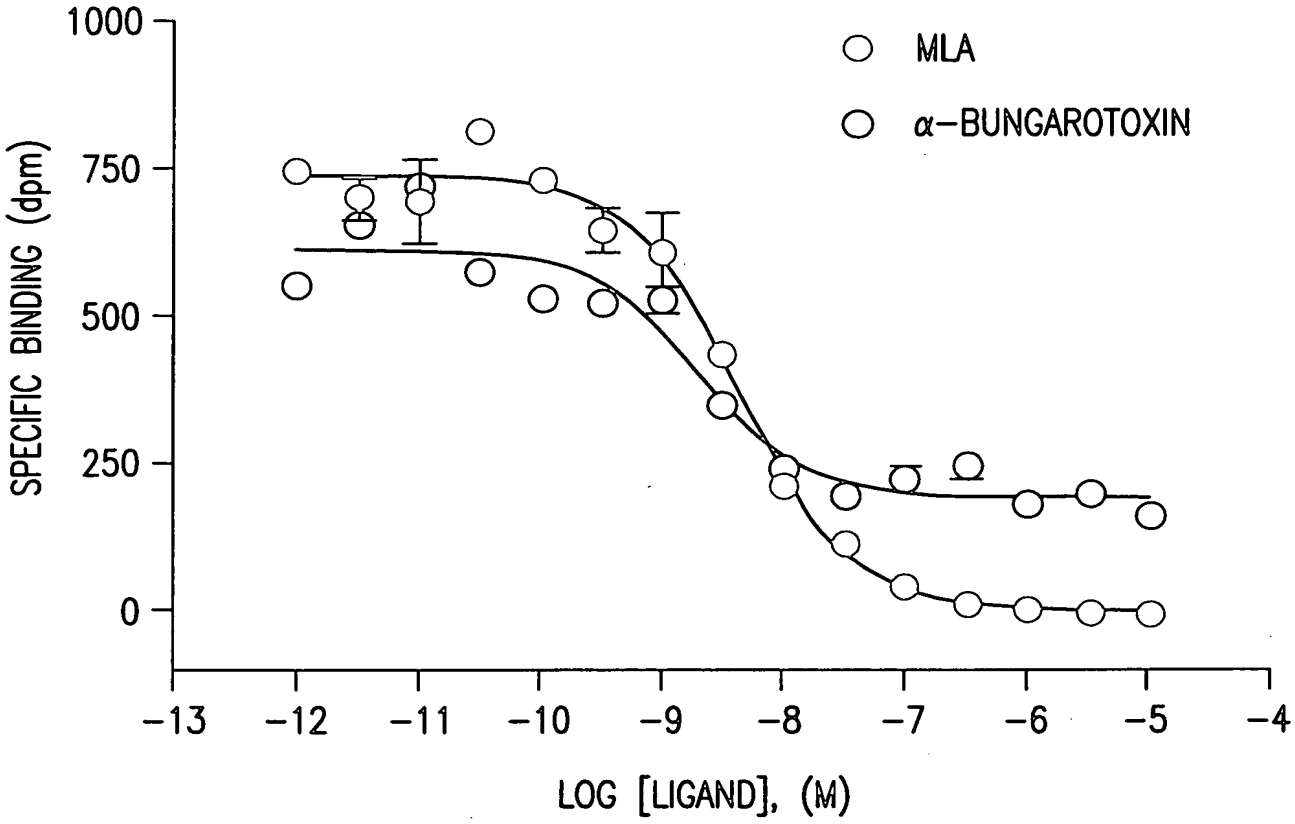


FIG.4

[^{3}H]-METHYLLYCACONITINE BINDING TO MEMBRANES PREPARED FROM α7 EXPRESSED IN GH4C1 WHOLE CELLS

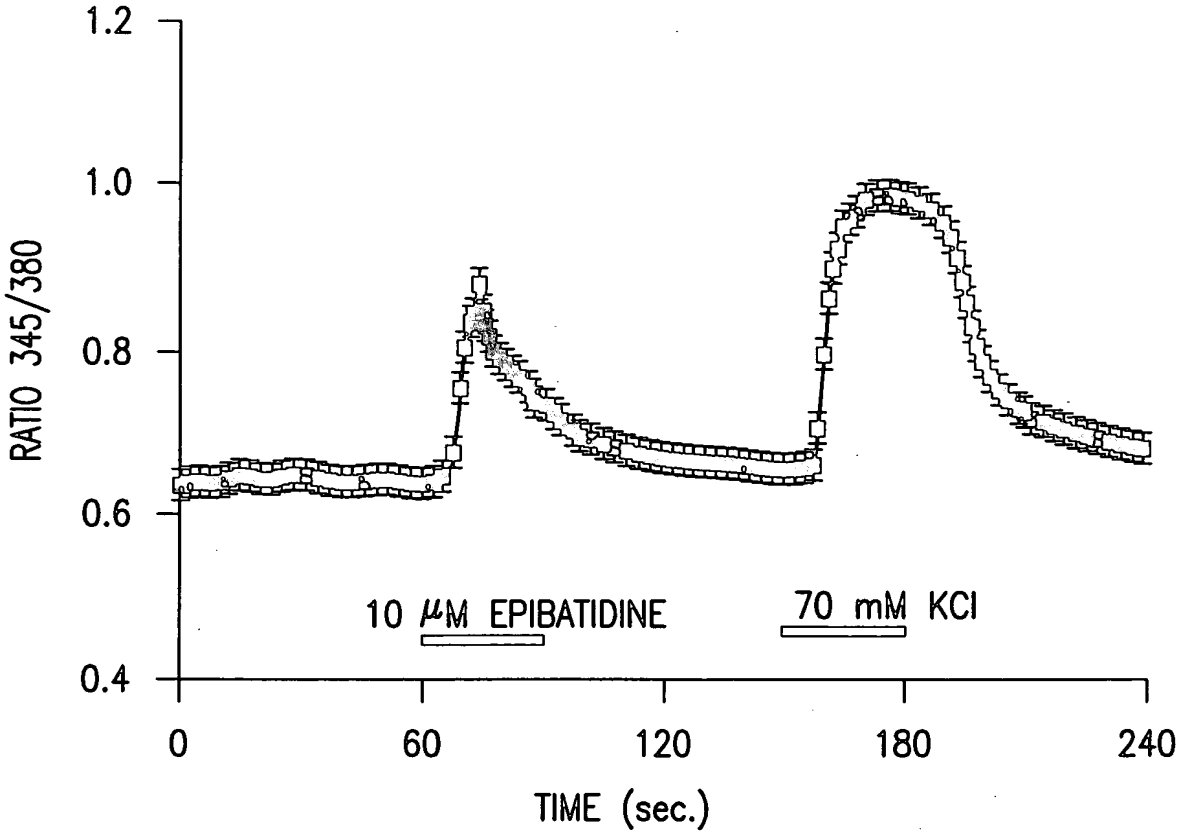


	MLA	α-BUNGAROTOXIN
BOTTOM	0.3228	191.7
TOP	737.1	612.3
LOGEC50	-8.353	-8.689
HILLSLOPE	-0.9527	-0.9856
EC50	4.4320e-009	2.0470e-009

FIG.5

SINGLE-CELL IMAGING DATA DEMONSTRATES THE HOMOGENEOUS RESPONSE OF STABLE CELL LINE A7 TO EPIBATIDINE

α_7 SUBCLONE G1-9-15-8
15 ROI ± SEM



CELLS WERE SUPERFUSED WITH HBS PRIOR TO TREATMENT PERIODS AS INDICATED ON THE GRAPH. VALUES ARE MEANS ± SEM FROM ONE EXPERIMENT. CELLS WERE CULTURED AT 37 °C.

FIG.6

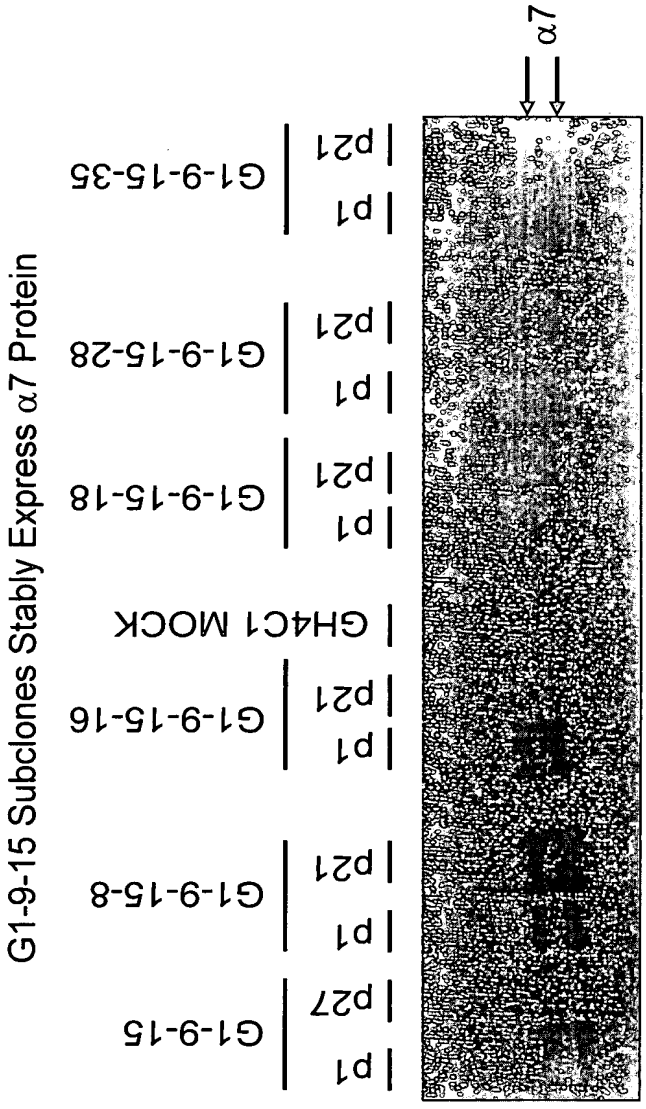


FIG. 7

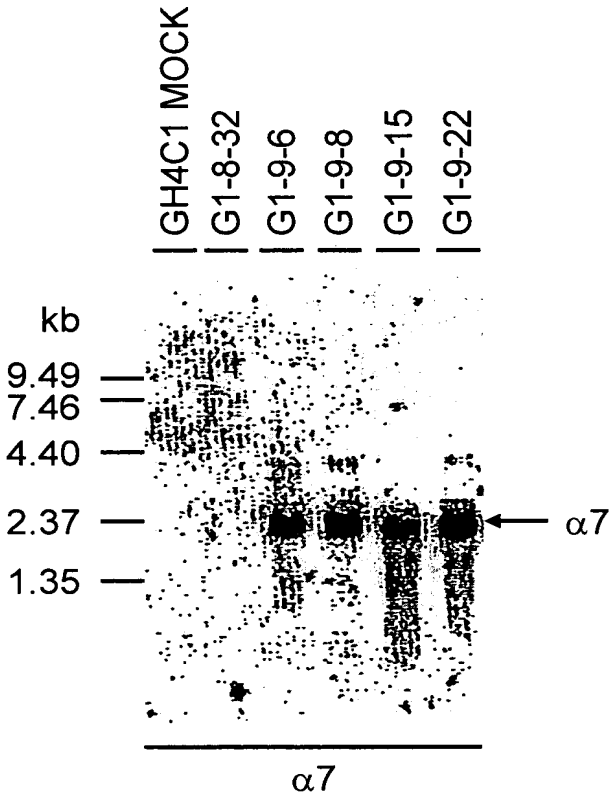


FIG.8

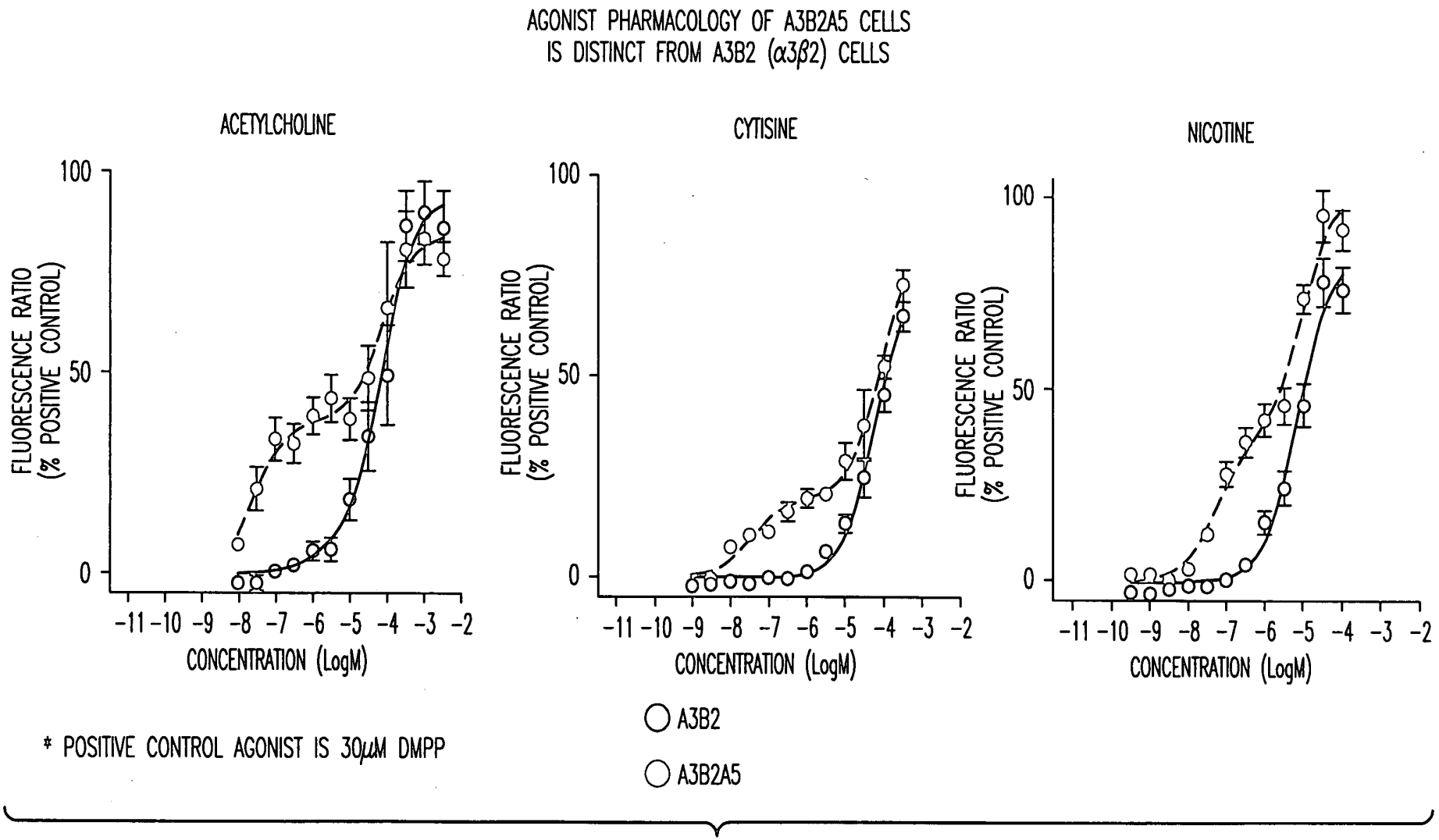


FIG. 9A

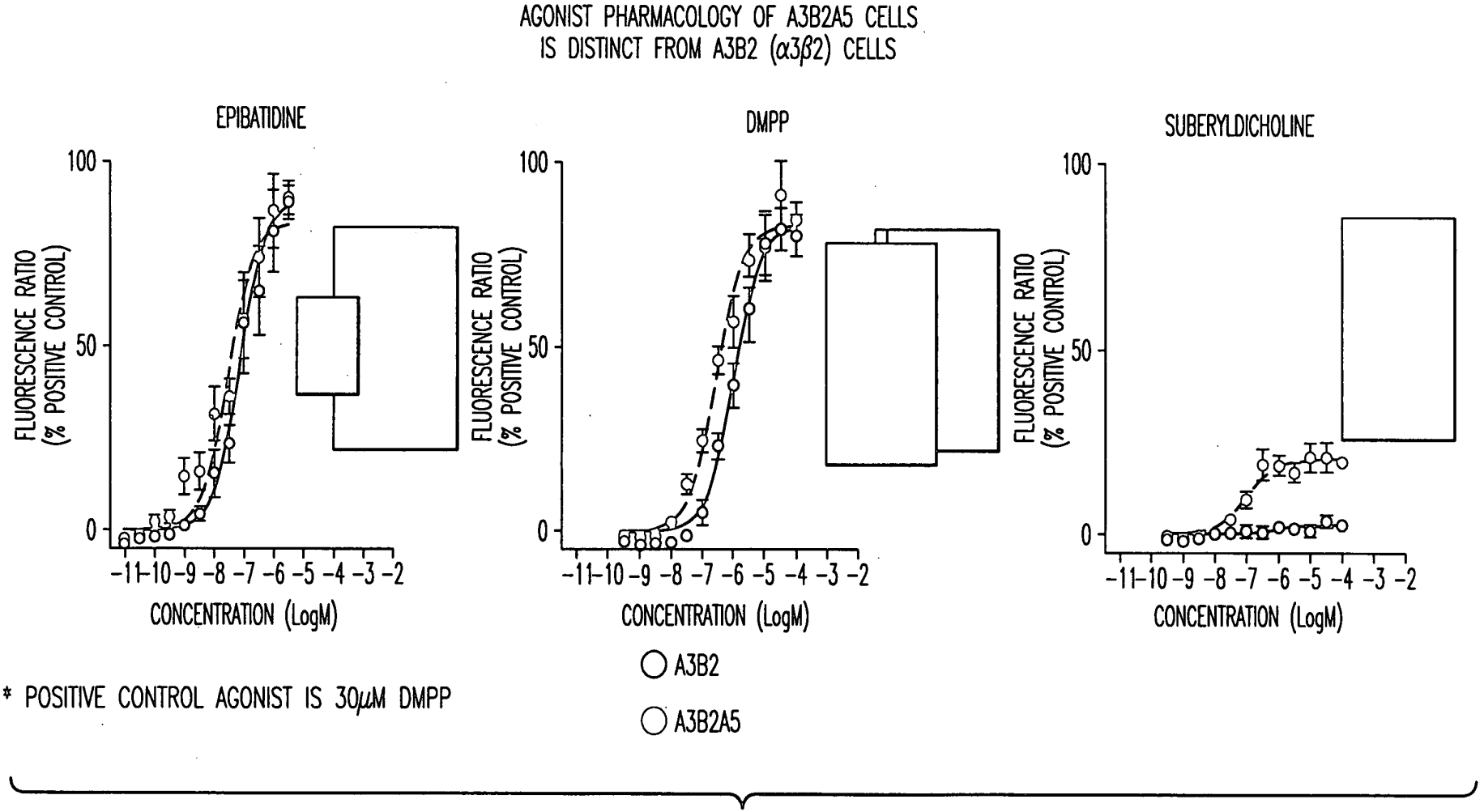


FIG. 9B

THE KINETICS OF DECAY OF CURRENTS INDUCED BY LOW DOSES OF ACETYLCHOLINE ARE SLOWER IN A3B2A5 THAN IN A3B2 CELLS

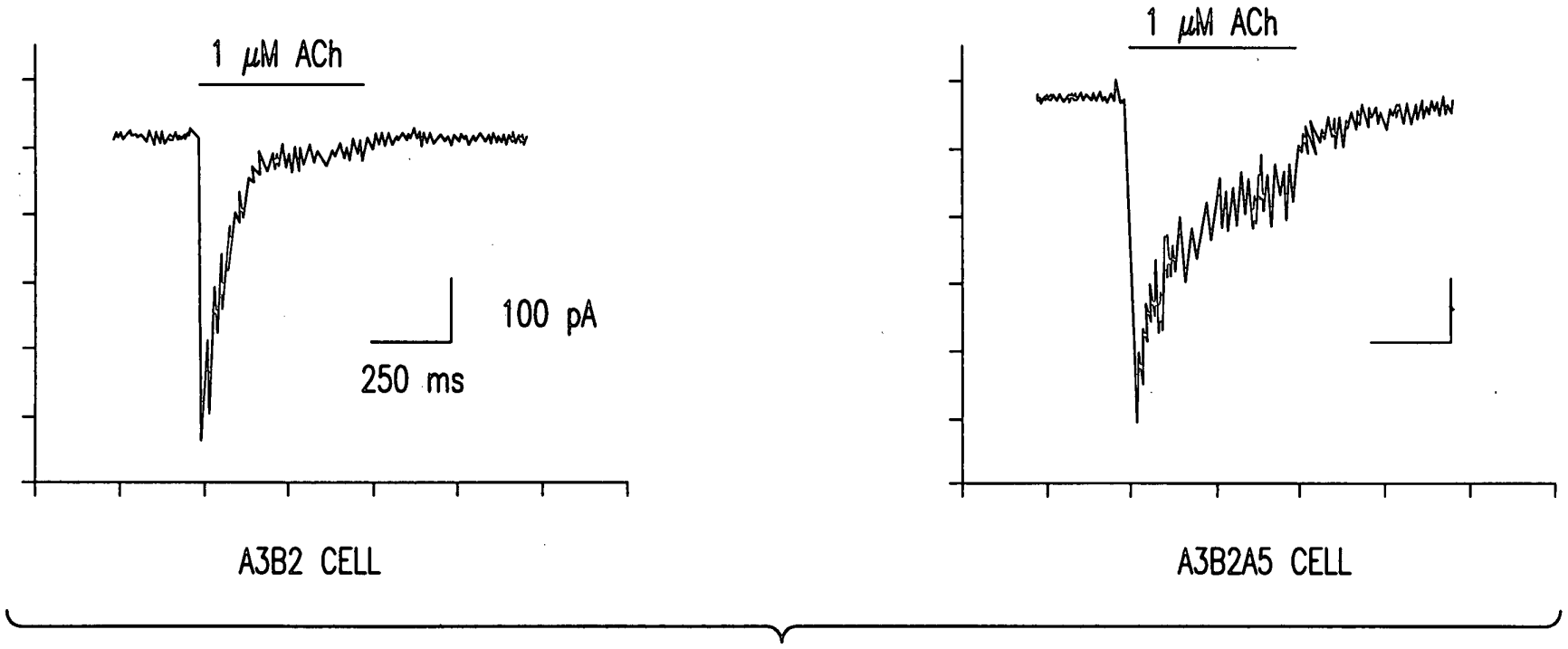


FIG. 10A

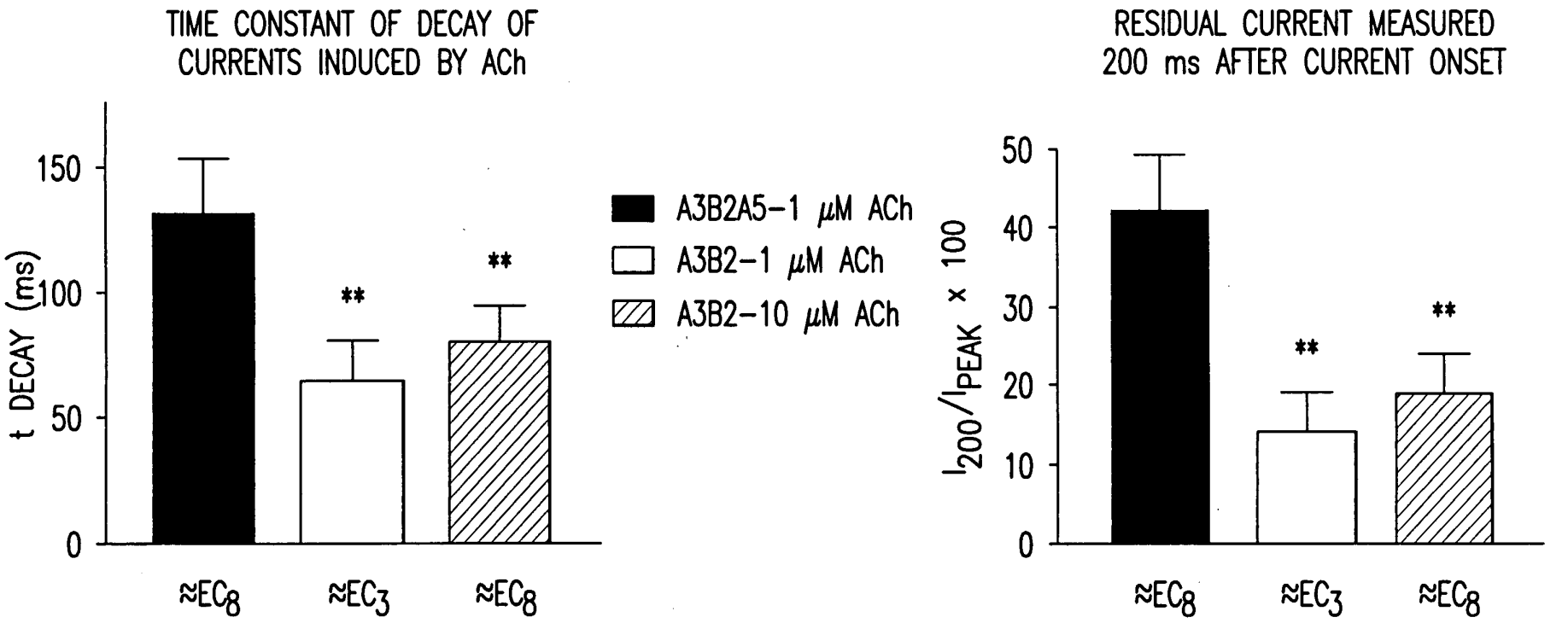


FIG. 10B

α5 Co-Assembles with α3 and β2 in Cell Line A3B2A5

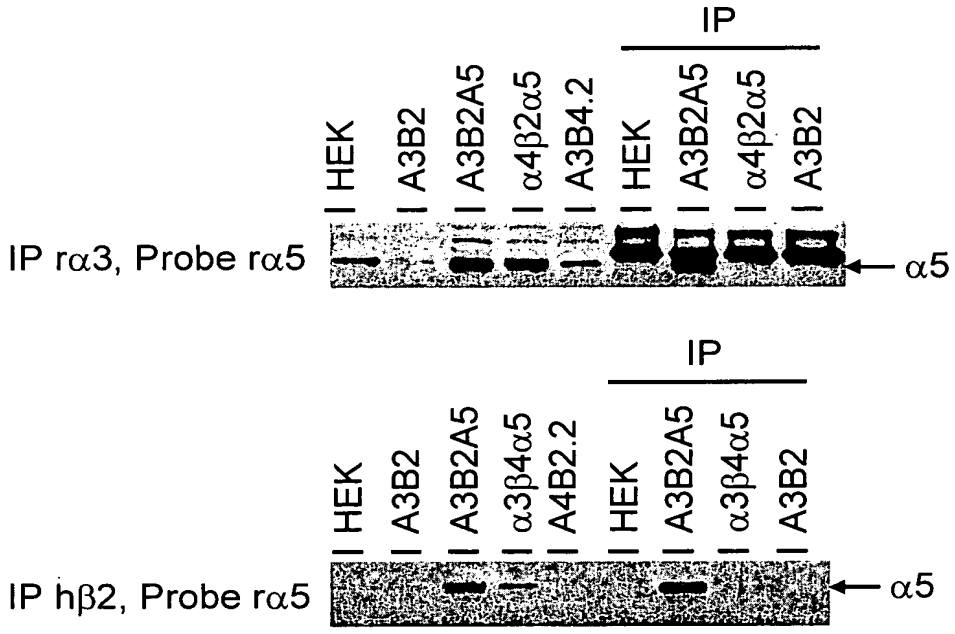


FIG. 11

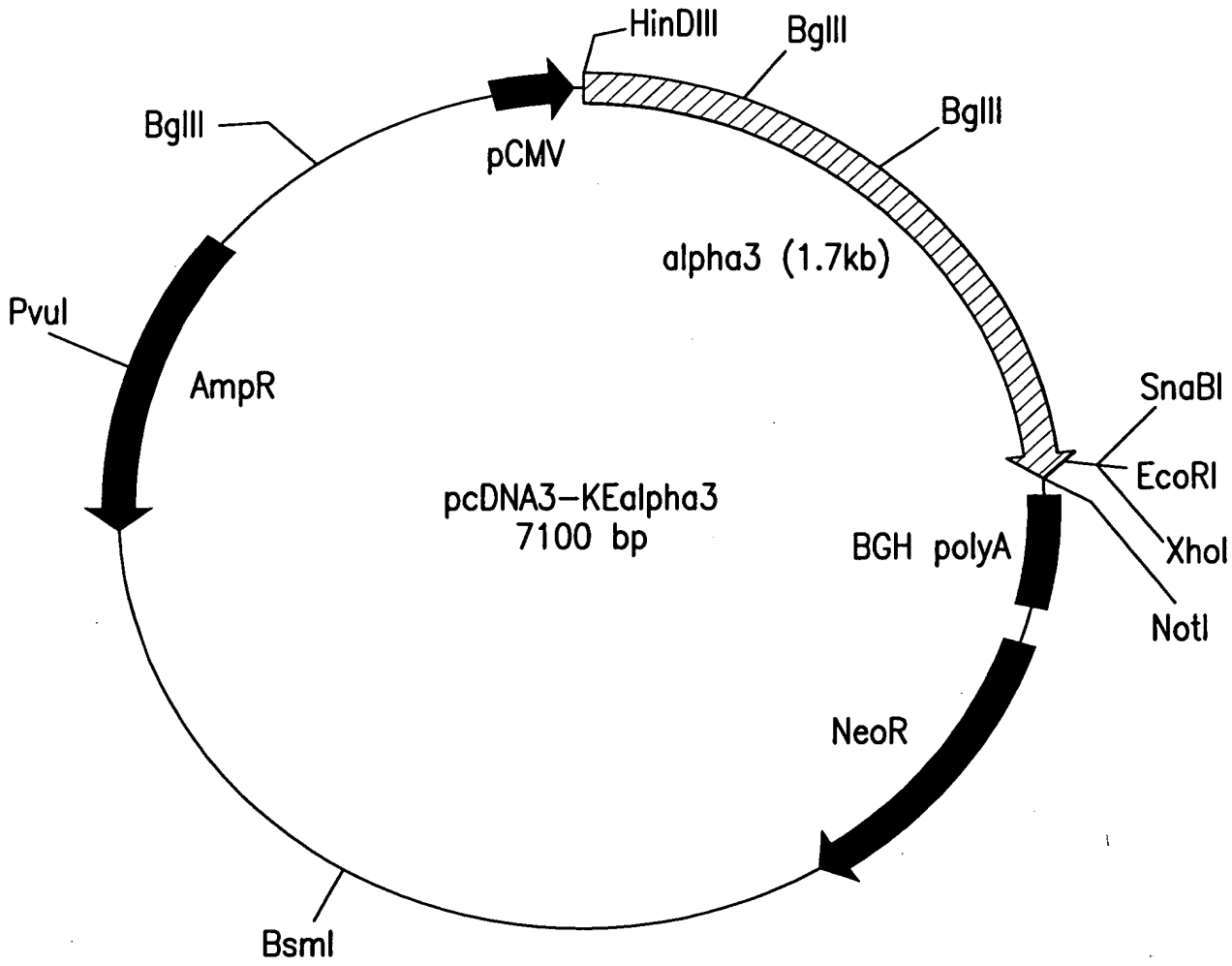


FIG. 12

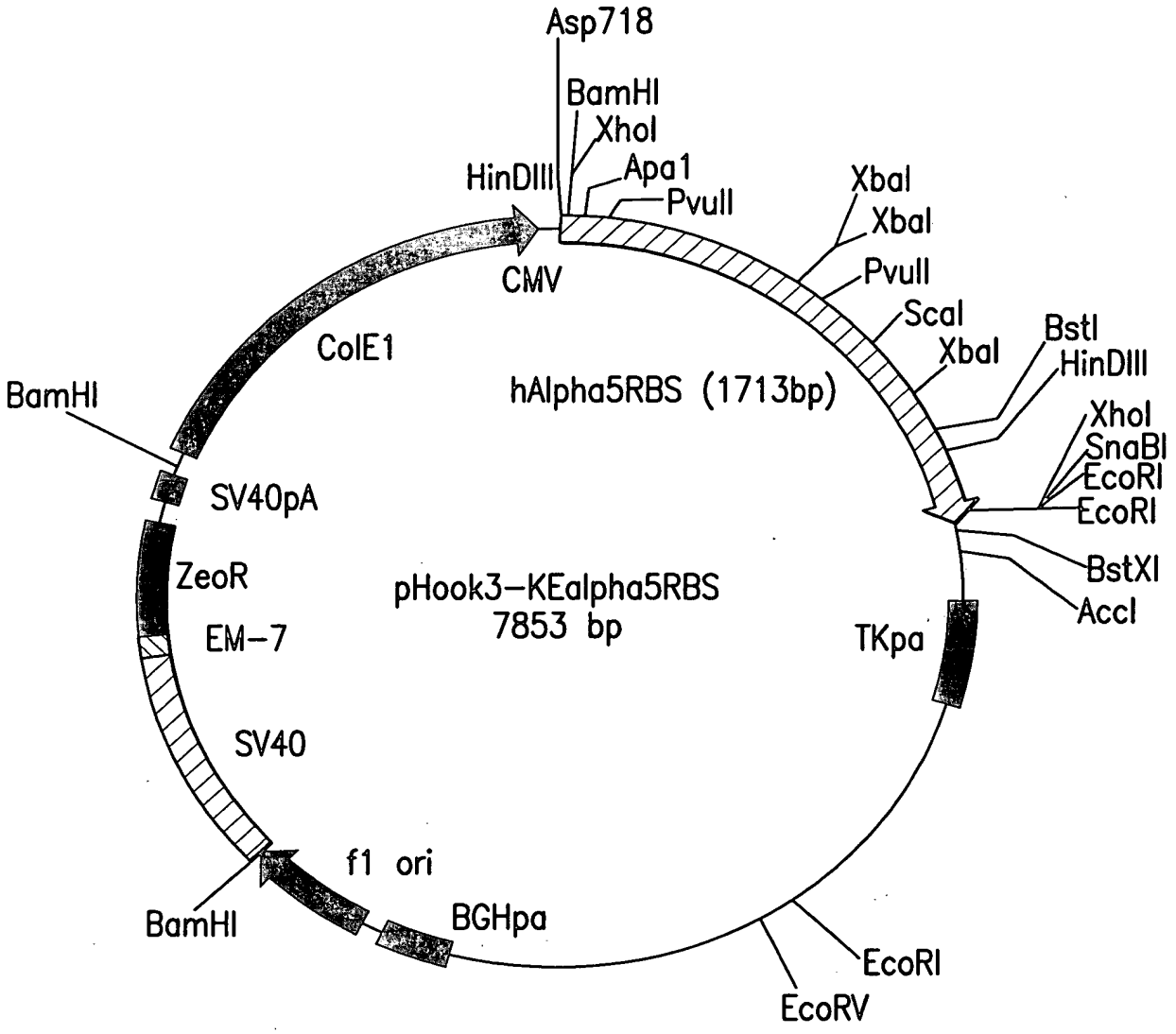


FIG. 13

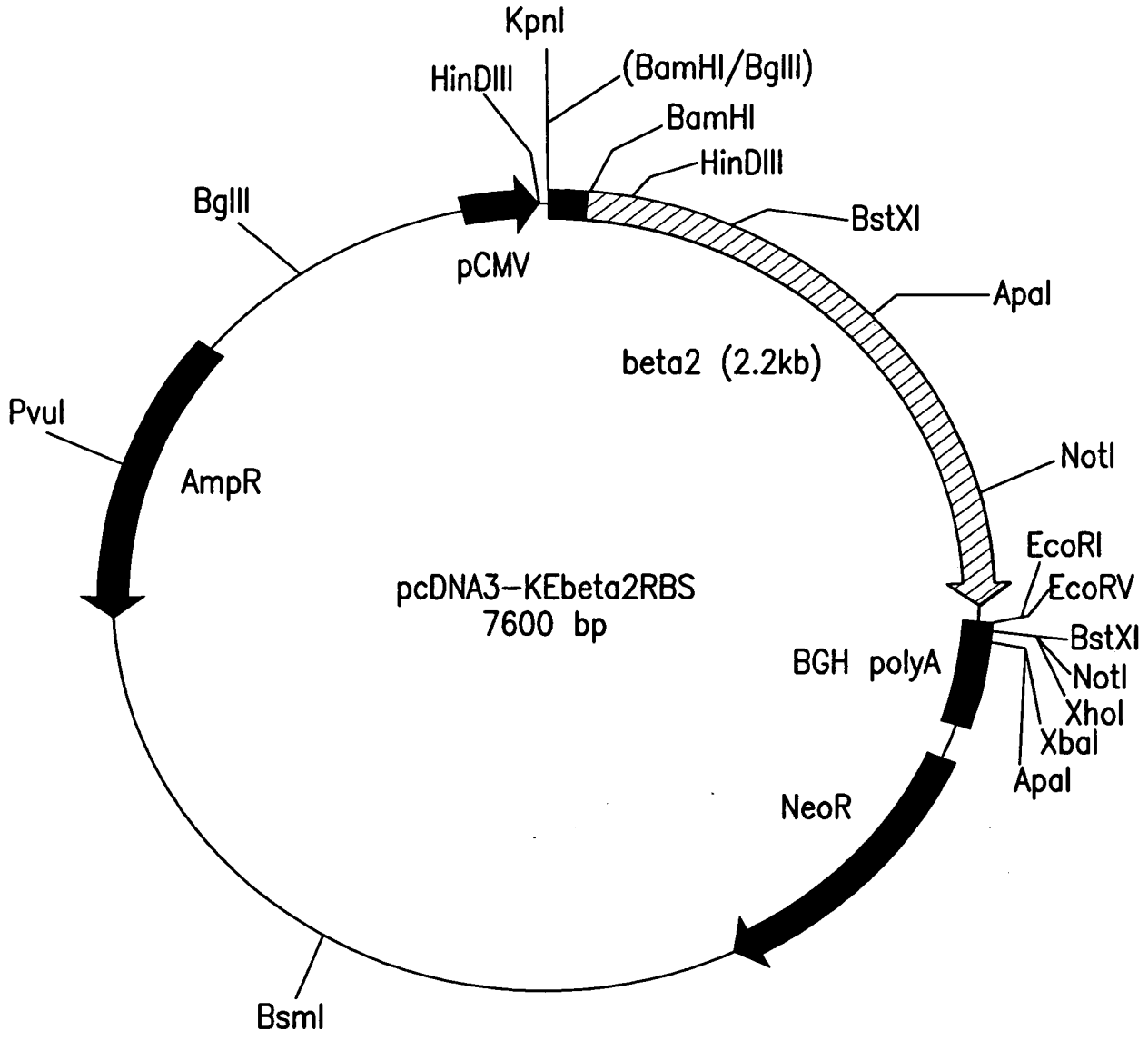


FIG. 14